Substitute (Modified)

Form PTO-1449

(37 CFR §1.98(b))

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 10559-608001

Application No. 10/041,753

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Filing Date

Applicant

January 7, 2002

Timothy J. Fennell et al.

Group Art Unit 2825

Examiner Ipitiel	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
10	AA	RE 38,059	04/2003	Yano, et al.	Class	Subclass	п Арргорпас
42	AB	4,703,435	10/1987	Darringer, et al.		7-	
	AC	4,970,664	11/1990	Kaiser, et al.	-		
	AD	5,212,650	05/1993	Hooper, et al.	- -		
	AE	5,267,175	11/1993	Hooper	-		
		 	 				
	AF	5,278,769	01/1994	Bair, et al.			
	AG	5,287,289	02/1994	Kageyama, et al.			<u> </u>
	AH	5,297,053	03/1994	Pease, et al.			
	AI	5,301,318	04/1994	Mittal			
	AJ	5,384,710	01/1995	Lam, et al.			
·	AK	5,475,605	12/1995	Lin			
	AL	5,493,507	02/1996	Shinde, et al.			
	AM	5,544,067	08/1996	Rostoker, et al.			
	AN	5,568,397	10/1996	Yamashita, et al.			
	AO	5,598,347	01/1997	Iwasaki			
	AP	5,603,015	02/1997	Kurosawa, et al.			
•	AQ	5,604,894	02/1997	Pickens, et al.			
	AR	5,663,662	09/1997	Kurosawa			
	AS	5,673,198	09/1997	Lawman, et al.			
	AT	5,685,006	11/1997	Shiraishi			
	AU	5,694,579	12/1997	Razdan, et al.			
1	AV	5,706,476	01/1998	Giramma			
	AW	5,717,928	02/1998	Campmas, et al.			
	AX	5,724,250	03/1998	Kerzman, et al.			
1	AY	5,757,655	05/1998	Shih, et al.			
V	AZ	5,831,869	11/1998	Ellis, et al.		 	
Pr	AAA	5,841,663	11/1998	Sharma, et al.	++-	 	<u> </u>

EXAMINER: Initials citation considered. Draw line through citation if not in conformance/and not considered. Include copy of this form with next communication to applicant.

APR 1 5 2004

Substitute (Modified) Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 10559-608001

Application No. 10/041,753

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Applicant Timothy J. Fennell et al.

Filing Date January 7, 2002

Group Art Unit 2825

(37 CFR §1.98(b)) **U.S. Patent Documents** Examiner Desig. Document **Publication** Filing Date ID Number **Date** Patentee Class Subclass If Appropriate ABB 5,892,682 04/1999 Hasley, et al. ACC 5,903,469 05/1999 Ho ADD 5,937,190 08/1999 Gregory, et al. **AEE** 10/1999 5,974,242 Damarla, et al. **AFF** 12/2000 6,161,211 Southgate AGG 6,178,541 01/2001 Joly, et al. AHH 6,216,256 04/2001 Inoue, et al. ΑII 6,226,780 05/2001 Bahra, et al. 05/2001 Houldsworth AJJ 6,234,658 AKK 6,275,973 08/2001 Wein ALL 6,292,931 09/2001 Dupenloup **AMM** 6,327,693 12/2001 Cheng, et al. ANN 6,353,806 03/2002 Gehlot AOO 6,353,915 03/2002 Deal, et al. APP 6,360,356 03/2002 Eng **AQQ** 6,381,565 04/2002 Nakamura ARR 07/2002 6,421,816 Ishikura ASS 6,438,729 08/2002 Ho ATT 6,438,731 08/2002 Segal AUU 6,440,780 08/2002 Kimura, et al. AVV 6,473,885 10/2002 Wallace AWW 6,477,688 11/2002 Wallace AXX 6,505,328 01/2003 Van Ginneken, et al. AYY 6,516,456 02/2003 Garnett, et al. AZZ 6,519,742 02/2003 Falk AAAA 6,523,156 02/2003 Cirit **ABBB** 6,539,536 03/2003 Singh et al.

Examiner Signature	Date Considered 11/2-4/04
Well last the	1 1 1 1 1 1
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
next communication to applicant.	

APR 1 5 2004 M Substitute (Modifier)

Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 10559-608001

Application No. 10/041,753

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Timothy J. Fennell et al.

Filing Date

Applicant

January 7, 2002

Group Art Unit 2825

(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	6,546,528	04/2003	Sasaki, et al.		1	
	ADDD	6,574,787	06/2003	Anderson			
	AEEE	6,591,407	07/2003	Kaufman, et al.			
	AFFF	2002/0038447	03/2002	Kim, et al.			
10	AGGG	2002/0112221	08/2002	Ferreri, et al.	þ,		
(P)	АННН	2003/0177455	09/2003	Kaufman, et al.]	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
RD	AIII	0 404 482	12/1990	ЕРО	G06F	15/60		
100	AJJJ	0 433 066	06/1991	EPO	GIOGF	15/180	A STATE OF THE STA	
(A)	AKKK	0 720 233	07/1996	EPO	HoiL	27/02	/	
(11)	ALLL	0 901 088	03/1999	EPO	GOOF	17/50		
(PR)	AMMM	1 065 611	01/2001	ЕРО	GOFF	17/50		
PD	ANNN	58-060559	04/1983	Japan	HOIL	21/82	Hostra	X
(1)	A000	03-225523	10/1991	Japan	606F	9/06	Abstra	1
@	APPP	07-049890	02/1995	Japan	GOGF	17/50	Abst	ract
P	AQQQ	08-314892	11/1996	Japan	606	17/00	Abst	ruel
(R)	ARRR	2001-068994	03/2001	Japan	H03K	19/177	4650	rack
OP	ASSS	WO 98/37475	08/1998	WIPO	GOGF	7		
P/	ATTT	WO 00/65492	11/2000	WIPO	G06#	17/50		

	Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.					
Initial	ID	Document				
(1)	AUUU	Kutzschebauch, "Efficient logic optimization using regularity extraction", Proceedings of 2000 International Conference on Computer Design, September 17, 2000, pp. 487-493.				
(90)	AVVV	Maxfield, C., "Digital Logic Simulation: Event-Driven, Cycle-Based, and Home-Brewed", Electrical Design News, 41(14):129-136 (1996).				
NO	AWWW	NB84035598, "Binary Relational Schema to Model Structured LSI Design", IBM Technical Disclosure Bulletin, Vol. 26, No. 10B, March 1984, pp. 5598-5601.				

Examiner-Signature?	Date Considered /
	Date Considered
	1 11/5 1/04
thellab list	
EXAMINER: Initials citation considered. Draw line through citation if no	of the conformance and not considered. Include copy of this form with
	or in containing and flot contained of indicate copy or the form wat
next communication to applicant.	/

Substitute Disclosure Form (PTO-1449)

Sheet <u>4</u> of <u>4</u> U.S. Department of Commerce Patent and Trademark Office Substitute Form PTO-1449 Application No. Attorney's Docket No. 10/041,753 10559-608001 Applicant **Information Disclosure Statement** Timothy J. Fennell et al. by Applicant (Use several sheets if necessary) Filing Date **Group Art Unit** 2825 January 7, 2002 (37 CFR §1.98(b))

	Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.					
Initial	D	Document				
(01)	AXXX	NN7807629, "Functional Oriented Symbolic Macromodeling Algorithm", IBM Technical				
	AAAA	Disclosure Bulletin, Vol. 21, No. 2, July 1978, pp. 629-631.				
(01)	AYYY	NN8006341, "Macro Physical-To-Logical Checking LSI Chip Design", IBM Technical Disclosure				
	AIII	Bulletin, Vol. 23, No. 1, June 1980, pp. 341-345.				
(n/)	AZZZ	NN9407481, "Functional Modeling using object Collaboration Diagram", IBM Technical Disclosure				
6.0	ALLL	Bulletin, Vol. 37, No. 7, July 1994, pp. 481-486.				
(0)	AAAA	Parlakbilek, et al., "A Multiple-Strength Multiple-Delay Compiled-Code Logic Simulator", IEEE				
(40)		Transactions on Computer-Aided Design of Integrated Circuits and Systems, 12(12):1937-1946				
Ψ		(1993).				
10	ABBBB	Su, Stephen, "An Interactive Design Automation System", Proceedings of the 10th Design				
(47.)		Automation Workshop on Design Automation, pp. 253-261, June 1973				

Examiner Signature	Date Considered
The lot par	11/04/04
EXAMINER! Initials citation considered. Draw line through citation	if not in conformance and not considered. Include copy of this form with
next communication to applicant.	
	Substitute Disclosure Form (PTO-1449)